

# Compass Clear



## High Durability, High Gloss Polyurethane Varnish

### A bright, clear, high gloss finish lets the natural color of the wood show through

Compass Clear is a highly durable one-part polyurethane gloss varnish that contains a unique combination of ultra-violet additives, HALS, surface stabilizers and antioxidants to ensure long-term gloss and clarity. Polyurethane resin adds incredible abrasion, chemical and water resistance. Superior leveling properties along with silky application allows you to achieve a professional, long lasting finish. Compass Clear is suitable for all internal and external woods, and can be applied directly to oily timber, such as teak. Compass Clear can also be used in a system with Clear Wood Sealer (YVA327/YVA328). A bright, clear, high gloss finish lets the natural color of the wood show through.

### WHAT ARE UV ABSORBERS, HALS AND ANTI-OXIDANTS AND WHAT DO THEY DO?

UV Absorbers soak up detrimental UV rays from sunlight, converting them into heat, which is then dissipated through the surface of the coating.

Hindered Amine Light Stabilizers (HALS) do not absorb radiation; Instead they protect the coating resin from the harmful effect of photochemically-produced 'free radicals' by neutralizing them, hindering chemical degradation. HALS regenerate themselves during the neutralization process, so go on providing protection throughout the lifetime of the coating.

Anti-oxidants are used to combat the effects of oxidation on the varnish film. Without the use of an effective anti-oxidant, the varnish will gradually fade and become cloudy. With a clear coating, like varnish, it is particularly important to maintain its clarity and color, as any change will be readily detectable

### COMPATIBILITY

Compass Clear can be applied over bare wood, Clear Wood Sealer, Interstain Paste Wood Filler Stain, existing one-part varnishes and Perfection Plus. Compass Clear can be applied directly to oily woods, such as Teak. Do not apply two-part varnishes over one-part varnishes.

### ASSOCIATED PRODUCTS

Product & Code	Description
Brushing Liquid 333	Thinner for brushing
Special Thinner 216	Thinner for spray or cold weather application
Interprime Wood Sealer Clear 1026	1-part sealer for bare wood
Clear Wood Sealer YVA327/YVA328	2-part sealer for bare wood

### PRODUCT DATA

- **Product code and color:** YVA502
- **Coverage:** 600 square ft. per gallon (12m<sup>2</sup> per liter) per coat brush applied.
- **Application method:** Brush, roller or airless spray
- **Application temperature:** 50°F (10°C) and above
- **Dry times at 75°F:**  
Touch dry – 2 hours  
Dry to sand – 12 hours
- **Coats required:** 5-6 coats minimum on bare wood
- **VOC:** Less than 470 grams/liter. 3.92 lbs./gal.
- **Available pack size:** 1 US Quart
- **Case pack:** 6 per case

#### Traditional Bare Wood Scheme:

	Compass Clear 4-5 coats
	Compass Clear 1 coat thinned 10-15%
	Wood

#### Reduced Work Time Bare Wood Scheme:

	Compass Clear 3-5 coats
	Clear Wood Sealer Min 2 coats
	Clear Wood Sealer 1 coat thinned up to 50%
	Wood



## RECOMMENDED APPLICATION SYSTEMS

### GENERAL DIRECTIONS

#### PREPARATION

##### Bare wood:

Sand surface smooth with 80-grit production sandpaper; wipe clean. To enhance the appearance of the wood and fill porous, open grain, apply Interstain paste wood filler and stain according to label directions. Apply a sealer coat of varnish reduced 10-15% with 333.

##### Previously varnished:

- **In good condition:** Sand old finish thoroughly with 120 -150 grit production sandpaper, being sure not to sand through the paste wood filler stain. Wipe clean and finish with at least 2 coats of varnish. Sand between each coat and wipe clean using Brushing Liquid 333.
- **In poor condition:** Remove finish to bare wood with Interlux Interstrip 299E. Follow directions for varnishing bare wood.

##### Bare plywood:

Seal with one or two coats of Inter-Prime™ Wood Sealer Clear 1026 or Clear Wood Sealer YVA327/YVA328.

#### APPLICATION

After sealer coat – apply 4-6 coats of full-bodied varnish until a satisfactory finish is obtained. Sand the surface lightly between each coat with 220-320 grit sandpaper. Remove sanding dust by wiping clean with a rag that has been dampened with Brushing Liquid 333.

#### TIPS

- Varnishing is best achieved on warm, dry mornings, cold weather retards drying. High humidity or moisture will spoil the gloss.
- Test the finish on a spare piece of wood before applying to the boat.
- Avoid using varnish direct from the can, this will cause the varnish to age prematurely and may introduce contamination into the can. Pour the amount of varnish that you expect to use at any one time, into a separate container.
- Do not use varnish that has been open for a long time as it may have picked up dust.
- Never leave bare wood exposed too long, as it will absorb moisture from the atmosphere.
- Do not varnish in direct sunlight.
- Apply varnish in thin coats as it takes less work to put on additional coats of varnish than to sand out runs and sags from applying too much varnish.

**Note:** Compass Clear is dark in the can, yet clear on application, allowing the natural color of the wood to show through.

#### DRYING AND OVERCOATING TIMES

Drying	59°F (15°C)	73°F (23°C)	95°F (35°C)
Touch dry (min)	3 hours	2 hours	1 hour
Overcoating Time (min)*	16 hours	12 hours	8 hours

\* Must be sanded prior to overcoating

For technical assistance please contact the Interlux Technical Service Department at 1-800-468-7589 or visit [yachtpaint.com](http://yachtpaint.com) for additional product information.

#### DISCLAIMER

The information given in this sheet is not intended to be exhaustive. Any person using this product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous development.

Please refer to your local representative or [www.yachtpaint.com](http://www.yachtpaint.com) for further information.

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